




# Universal Tool

## Operator Instructions

Includes - Foreseen Use, Work Stations, Putting Into Service, Operating, Dismantling, Assembly and Safety Rules

## Important

**Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe accessible place.**

Manufacturer/Supplier <b>Universal Air Tool Company Limited</b> <b>Unit 8</b> <b>Lane End Industrial Park</b> <b>High Wycombe</b> <b>Bucks</b> <b>HP14 3BY</b> Tel No <b>(01494) 883300</b> Fax No <b>(01494) 883237</b>	Product Type <b>Cut Off Tool</b>	RPM <b>20,000</b> Cycles Per Min	
	Model No/Nos <b>UT5762</b>	Serial No	

Product Nett Weight	Recommended Use Of Balancer Or Support	Recommended Hose Bore Size - Minimum	Recommended Max. Hose Length
<b>1.7</b> lbs <b>0.8</b> Kg	<b>No</b>	<b>3/8</b> Ins <b>10</b> M/M	<b>30</b> Ft <b>10</b> M

Air Pressure		Noise Level <b>Sound Pressure Level 86.0 dB(A)</b>	
Recommended Working	<b>6.3</b> bar <b>90</b> PSI	Test Method <b>Tested in accordance with Pneurop test code PN8NTC 1</b>	
Recommended Minimum	<b>n/a</b> bar <b>n/a</b> PSI		
Maximum	<b>7.0</b> bar <b>100</b> PSI		

Personal Safety Equipment	Vibration Level <b>Less than 2.5 Metres / Sec<sup>2</sup></b>
Use - Safety Glasses <b>Yes</b>	Test Method <b>Tested in accordance with ISO standard 8662</b>
Use - Safety Gloves <b>Yes</b>	
Use - Safety Boots	
Use - Breathing Masks <b>Yes</b>	
Use - Ear Protectors <b>Yes</b>	

## Foreseen Use of the Tool

This tool is designed to be used with appropriate cutting discs only. The tool should not be used with any other type of abrasive disc or wheel. It must never be used with saw blades or other cutting devices. Do not use the tool outside the design intent. Never modify the tool for any other purpose, or for its use as a disc cutter without first seeking advice from the manufacturer or an authorised representative.

air filter, regulator, lubricator (FRL) is used as shown in Figure 1 as this will supply clean, lubricated air at the correct pressure to the tool. Details of such equipment can be obtained from your supplier. If such equipment is not used then the tool should be lubricated by shutting off the air supply to the tool, depressurising the line by pressing the trigger on the tool. Disconnect the air line and pour into the intake bushing a teaspoonful (5ml) of a suitable pneumatic motor lubricating oil preferably incorporating a rust inhibitor. Reconnect tool to air supply and run tool slowly for a few seconds to allow air to circulate the oil. If tool is used frequently lubricate on daily basis and if tool starts to slow or lose power.

It is recommended that the air pressure at the tool whilst the tool is running is 90 p.s.i./6.3 bar.

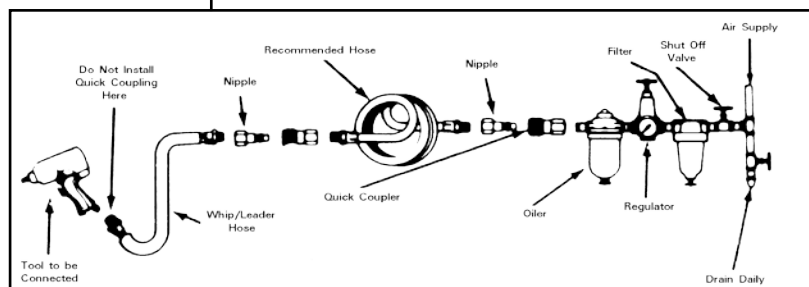
## Work Stations

The tool should only be used as a hand held hand operated tool. It is always recommended that the tool is used when standing on a solid floor. It can be used in other positions but before any such use the operator must be in a secure position having a firm grip and footing and be aware of the safety rules to be obeyed when using the grinder.

## Putting Into Service

### Air Supply

Use a clean lubricated air supply that will give a measured air pressure at the tool of 90 p.s.i./6.3 bar when the tool is running with the trigger/lever fully depressed. Use recommended hose size and length. It is recommended that the tool is connected to the air supply as shown in figure 1. Do not connect the tool to the air line system without incorporating an easy to reach and operate air shut off valve. The air supply should be lubricated. It is strongly recommended that an



## Operating

The lever is the on/off valve for the tool. Connect to a suitable air supply and ensure that the air pressure, measured at the tool inlet, with the tool running does not exceed 90 psi (6.3 bar). Select disc and ensure that the disc is not cracked or damaged and that the speed rating of the disc is in excess of 25,000 rpm. Fit the disc and tighten screw using the supplied allen key while holding arbour with supplied spanner. Do not over tighten as this could crack the disc. Ensure wheel is in place. When first starting the tool with a new or changed disc the tool should be first started in a protected area i.e. such as under a heavy bench and run for say a minimum time of one minute. This will provide protection if the wheel should break because a fault was not detected. Always use eye protection and wear protective gloves if there are sharp edges in the working area. Remember that the cutting process will generate heat and that cut parts, particularly small items can get very hot and burn fingers if touched. Allow cut parts to cool.

The tool and the work process may create a noise level such that ear protectors should be worn. The cutting process will create dust and the use of breathing masks is recommended. Check that the material being cut will not cause harmful dust or fumes. If this is so then special breathing apparatus may be required. Seek advice before starting work. The cutting process will create sparks. Ensure that these do not create a hazard to any person, object or process and are not directed near any flammable materials or fluids. Do not use the cutter in explosive environments. Do not apply excessive loads to the tool as this will reduce the efficiency of the disc. Apply light loads and allow the wheel to cut. Try always to keep the disc square to the cut. Do not apply side loads or grind on the side of the disc.

Handle the cutter with care. If the cutter is dropped carefully examine the disc for damage and replace if necessary. Start the tool as for the first time of fitting a disc, i.e. under a bench. Make sure that the object to be cut is in a firm fixed position.

## Tool Maintenance

It shall be the tool owner's and/or employer's responsibility to assure that tools are maintained in a safe operating condition. Tool maintenance and repair shall be performed by authorised, trained, competent personnel. Tools shall be disconnected from their compressed air supply before repairs are attempted. Repairs shall be consistent with the manufacturer's recommended procedures. Tool, hoses and fittings shall be replaced if unsuitable for safe operation. It shall be the tool owner's and/or employer's responsibility to keep required rating markings and warnings on the tool in legible condition.

## Safety Rules For A Cut Off Tool

- 1) Read all the instructions before using this tool. All operators must be fully trained in its use and aware of these safety rules.
- 2) Do not exceed the maximum working air pressure.
- 3) Use personal safety equipment.
- 4) Use only compressed air at the recommended conditions.
- 5) If the tool appears to malfunction remove from use immediately and arrange for service and repair.
- 6) If the tool is used with a balancer or other support device ensure that it is fixed securely.
- 7) Always keep hands away from the working attachment fitted to the tool.
- 8) The tool is not electrically insulated. Never use the tool if there is any chance of it coming into contact with live electricity.
- 9) Always when using the tool adopt a firm footing and/or position and grip the tool firmly to be able to counteract any forces or reaction forces that may be generated whilst using the tool.
- 10) Use only correct spare parts. Do not improvise or make temporary repairs.
- 11) Do not lock, tape, wire, etc. the on/off valve in the run position. The trigger/lever etc. must always be free to return to the 'off' position when it is released.
- 12) Always shut off the air supply to the tool, and depress the trigger/lever etc. to exhaust air from the feed hose before fitting, adjusting or removing the working attachment.
- 13) Check hose and fittings regularly for wear. Replace if necessary. Do not carry the tool by its hose and ensure the hand is remote from the on/off control when carrying the tool with the air supply connected.

14) Take care against entanglement of moving parts of the tool with clothing, ties, hair, cleaning rags, etc. This will cause the body to be drawn towards the tool and can be very dangerous.

15) It is expected that users will adopt safe working practices and observe all relevant legal requirements when installing, using or maintaining the tool.

16) Do not install the tool unless an easily accessible and easily operable on/off valve is incorporated in the air supply.

17) Take care that the tool exhaust air does not cause a problem or blows on another person.

18) Never lay a tool down unless the working attachment has stopped moving.

19) A grinding wheel should only be fitted by a competent person trained to do so. The wheel must be of the correct size and speed rating. Never use grinder with guard not fitted.

20) Check the speed of the grinder at least once per week, if it is in regular use, with an accurate tachometer.

21) The tool must only be used with the grinding wheels as set out in section "Foreseen Use of the Tool" and shown on parts list. Never fit any other device.

22) Carry out the instructions as set out in "Putting into Service".

23) Many countries have local or national rules re the use and fitting of grinding wheels. Make sure such rules are observed.

24) Use a barrier to prevent sparks causing a hazard to the operator, any other person or anything within the vicinity of the sparks.

25) If a wheel guard becomes damaged or has withstood a wheel breakage, the guard must be changed.

26) Do not use chipped or cracked grinding wheels.

27) Always wear impact resistant eye protection.

28) Use only parts provided with the grinder for locating and clamping the wheel. Never use substitutes. Use the paper blotter fixed to the wheel as this ensures even tightness when the wheel is secured.

29) Tighten the wheel plates sufficiently to prevent wheel spin off when the grinder is turned off. Do not tighten excessively as this may crack the wheel.

30) The noise from the tool or the process noise of the grinding operation may be such that hearing protection should be worn.

31) Avoid inhaling dust from the grinding process. Wearing of a breathing mask is recommended. Grinder certain materials may mean that special breathing precautions are necessary. Seek advice before using the tool.

32) Always ensure that the workpiece is firmly supported so that it cannot move during the grinding process.

33) If the grinder is dropped do not use unless the wheel is first checked for damage by a competent person.

34) When not in use the grinder should be stored in a safe place where it will not be damaged. If a tool has not been used for a period of time check the tool as for the first time of using.

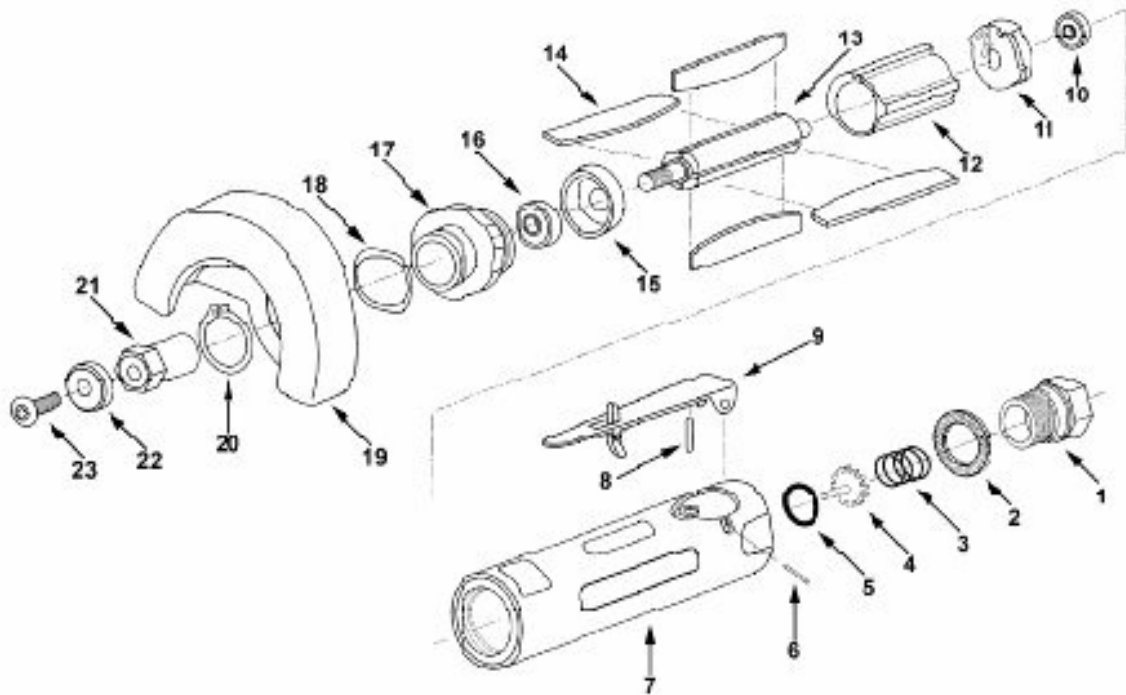
35) Be aware that if the grinding process causes high vibration, special precautions should be taken.

36) The operator should be aware that the grinding wheel will continue to rotate after the power supply has been shut off. This could cause a hazard.

37) Always store grinding wheels in accordance with the manufacturer's instructions.

38) Check frequently that the spindle thread has not become damaged or worn.

39) Always ensure that the grinding wheel has a higher permissible running speed to the speed of the grinder.



Ref No	Part No	Description
1	5762-01	Hose Adaptor
2	5762-02	Muffer Disc
3	5762-03	Valve Spring
4	5762-04	Tip Valve
5	5762-05	Washer
6	5762-06	Lever Spring Pin
7	5762-07	Handle Assembly
8	5762-08	Valve Pin
9	5762-09	Lever Assembly
10	5762-10	Rear Bearing
11	5762-11	Rear End Plate
12	5762-12	Cage

Ref No	Part No	Description
13	5762-13	Rotor
14	5762-14	Rotor Blade (4)
15	5762-15	Front End Plate
16	5762-16	Front Bearing
17	5762-17	Lock Nut
18	5762-18	Wave Washer
19	5762-19	Safety Guard
20	5762-20	Retainer Ring
21	5762-21	Arbor
22	5762-22	Arbor Flange
23	5762-23	Arbor Screw

**Declaration of Conformity**  
**Universal Air Tool Company Limited**  
**Unit 8, Lane End Industrial Park, High Wycombe, Bucks, HP14 3BY, England**

declare under our sole responsibility that the product

**Model UT5762 Cut Off Tool, Serial Number**

to which this declaration relates is in conformity with the following standard(s) or other normative document(s)

**EN792 (Draft), EN292 Parts 1 & 2, ISO 8662 Parts 1, 2 & 14, Pneurop PN8NTC 1**

following the provisions of **Directive 2006/42/EC**

**Lane End**

ARTHUR PATERSON



Place of issue

For and on behalf of the company

**Accessories**

**Notes**

**Distributor**

©Copyright of Universal Air Tool Company Limited, established in the United Kingdom, 1994

This document may not be copied wholly or in part by anyone without the consent of the Directors of Universal Air Tool Company Limited